IAP15 Rec'd PCT/PTO 29 JUN 2006

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	LING BY "EXPRESS MAI	L" (37 CFR 1.10)	Docket No.	
Applicant(s): Keisuke TSI	UNE 130GU et al.		MAT-8743US	
Serial No.	Filing Date	Examiner	Group Art Unit	
10/552,209	June 29, 2006	To Be Assigned	To Be Assigned	
Invention: VACUUM HEA	AT INSULATOR AND APPAR	ATUSES USING THE SAME	(AS AMENDED)	
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	ne United States Postal Service	f correspondence) "Express Mail Post Office to Add		
22313-1450 on June 29,		Commissioner for Patents, P.O. E	Box 1450, Alexandria, VA	
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United States Patent and Trademark Office

MAT-874345

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS

U.S. APPLICATION NUMBER NO	D. FIRST NAMED APPLICANT	· ATT	Y. DOCKET NO.		
10/552,209	Keisuke Tsunetsugu	MAT-8743US INTERNATIONAL APPLICATION NO. PCT/JP04/04395 I.A. FILING DATE PRIORITY DATE			
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473	MAINERPRESIIA				
ATNERPRESTIA		03/29/2004	04/18/2003		

P.O. BOX 980 VALLEY FORGE, PA 19482

JUN 1 9 2006

CONFIRMATION NO. 6767

371 FORMALITIES LETTER

Date Mailed: 06/14/2006

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 10/06/2005
- English Translation of the IA filed on 10/06/2005
- Copy of the International Search Report filed on 10/06/2005
- Copy of IPE Report filed on 10/06/2005
- Preliminary Amendments filed on 10/06/2005
- Information Disclosure Statements filed on 10/06/2005
- Request for Immediate Examination filed on 10/06/2005
- U.S. Basic National Fees filed on 10/06/2005
- Priority Documents filed on 10/06/2005
- Specification filed on 10/06/2005
- Claims filed on 10/06/2005
- Abstracts filed on 10/06/2005
- Drawings filed on 10/06/2005

The applicant needs to satisfy supplemental fees problems indicated below.

The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fees required for this application is \$130 for a Large Entity:

• \$130 Surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

A copy of this notice MUST be returned with the response.

KAREN R MCLEAN

Telephone: (703) 308-9140 EXT 214

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.	
10/552,209	PCT/JP04/04395	MAT-8743US	

FORM PCT/DO/EO/905 (371 Formalities Notice)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.				
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)		ATTTORNEY'S DOCKET NUMBER MAT-8743US		
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/552,209		
	TIONAL APPLICATION NO. 2004/004395	INTERNATIONAL FILING DATE 29.03.2004 (29 March 2004)	PRIORITY DATE CLAIMED 18.04.2003 (18 April 2003)	
TITLE OF	INVENTION VACUUM HEAT II	NSULATOR AND APPARATUSE	ES USING THE SAME (AS AMENDED)	
APPLICA	NT(S) FOR DO/EO/US Keisuke T	SUNETSUGU and Hiroto NA	KAMA	
Applican			D/US) the following items and other information:	
1. 🔲	This is a FIRST submission of items co	oncerning a submission under 35 U.S.C. 371	1.	
2. 🔽	This is a SECOND or SUBSEQUENT s	submission of items concerning a submissio	n under 35 U.S.C. 371.	
3.	This is an express request to begin nat (5), (6), (9) and (21) indicated below.	ional examination procedures (35 U.S.C. 37	1(f)). The submission must include items	
4.	The US has been elected (Article 31).		•	
5.	A copy of the International Applicatio	n as filed (35 U.S.C. 371(c)(2))		
	a. is attached hereto (required	d only if not communicated by the Internation	nal Bureau).	
	b. has been communicated by	the International Bureau.		
	c. is not required, as the appli	cation was filed in the United States Receiv	ing Office (RO/US).	
6.	An English language translation of th	e International Application as filed (35 U.S.C	C. 371(c)(2)).	
	a. is attached hereto.		•	
	b. has been previously submi	tted under 35 U.S.C. 154(d)(4).		
7.	Amendments to the claims of the Inte	ernational Application under PCT Article 19 ((35 U.S.C. 371(c)(3))	
	a. are attached hereto (required only if not communicated by the International Bureau).			
	b. have been communicated	by the International Bureau.	·	
	c. have not been made; how	ever, the time limit for making such amendr	nents has NOT expired.	
	d. have not been made and	will not be made.		
8. 🗆	An English language translation of the	ne amendments to the claims under PCT Ar	ticle 19 (35 U.S.C. 371(c)(3)).	
9. 🗸	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).			
10.	10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).			
Items	11 to 20 below concern document(s	s) or information included:		
11.	An Information Disclosure Statement	under 37 CFR 1.97 and 1.98.		
12. 🔲	An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.			
13.	A preliminary amendment.			
14.	An Application Data Sheet under 37 CFR 1.76.			
15.	A substitute specification.			
16.	A power of attorney and/or change of address letter.			
17.	A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.			
18.	A second copy of the published Inter-	national Application under 35 U.S.C. 154(d)	(4).	
19.	A second copy of the English language	ge translation of the international application	under 35 U.S.C. 154(d)(4).	

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Other items or information: Express Mail Cert.; 371 Formalities Letter, PTO-2038, Return Postcard

PTO-1390 (Rev. 07-2005)
Approved for use through 3/31/2007. OMB 0651-0021
. U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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•	U.S. APPLICATION N	ION NO. (if known, see 37 CFR 1.5) INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER		
	10/552,209 PCT/JP2004/004395		MAT-8743US			
	The following fees have been submitted			CALCULATIONS	PTO USE ONLY	
	21. Basic national fee (37 CFR 1.492(a))\$300				\$	
	22. Examination	on fee (37 CFR 1.492(c))				
		repared by ISA/US or the Interes all claims satisfy provisions				
					\$	
	23. Search fe	e (37 CFR 1.492(b))				
	If the written opinion p	repared by ISA/US or the Inte				
		es all claims satisfy provisions .44(a)(2)) has been paid on th				
	an International Sea	arching Authorityteport prepared by an ISA other		\$100		
		icated to the US by the IB			\$	
	All other situations			\$500		
	TOTA	AL OF 21, 22 and 23 =			\$	
		specification and drawings filed or computer program listing file		xcluding		
	The fee is \$250 fo	or each additional 50 sheets of	paper or fraction thereof.			
	Total Sheets Ex		h additional 50 or fraction up to a whole number)	RATE		
	400	,	,		\$	
	- 100 = Surcharge of \$130.00 fo	/50 = or furnishing the oath or declar	ation later than 30 months fro	x \$250 om the earliest	<u> </u>	
	claimed priority date (37	7 CFR 1.492(e)).			\$ 130	
	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
	Total claims	- 20 =		x \$50	\$	<u> </u>
	Independent claims	- 3 =		, x \$200	\$	
	MULTIPLE DEPENDE	NT CLAIM(S) (if applicable)	70741 05 4501/5	+ \$360	\$	
	Applicant plains o	mall actity atotype See 27 CES		CALCULATIONS =	\$ 130	
	Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. SUBTOTAL = Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). TOTAL NATIONAL FEE = Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied				\$ 130	
					\$	
					\$ 130	
					\$	
	by an appropriate cove	er sheet (37 CFR 3.28, 3.31). \$	\$40.00 per property	+	9	
			TOTAL F	EES ENCLOSED =	\$ 130	•
A7 /AE /9A	ነረ ለተውለህ፤ ለበስለስ፤ 3	1110552209			Amount to be refunded:	\$
	06/20)6 ATRAN1 00000131 10552209				Amount to be	\$ 130
01 FC:16	17	130.00 OP			charged:	\$ 150
	a. A check in the amount of \$ to cover the above fees is enclosed.					
	b. Please charge my Deposit Account No in the amount of \$ to cover the above fees.					
	A duplicate copy of this sheet is enclosed. c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit t					
	Account No. <u>18-0350</u> . A duplicate copy of this sheet is enclosed.					
	d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
	NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. SEND ALL CORRESPONDENCE TO: Customer Number OR SIGNATURE Lawrence E. Ashery					
					V/	
					Σ	
]	
	Ratner Prestia, P	O. Box 980, Valley Forge, PA	19482	NAME	nonci y	
	RatnerPrestia, P.	O. Box 1596, Wilmington, DE	19899	34,515	/	
	Date: June 29, 2006 REGISTRATION NUMBER				/	
	FORM PTO-1390 ((REV_02-2005)	Page 2 of			